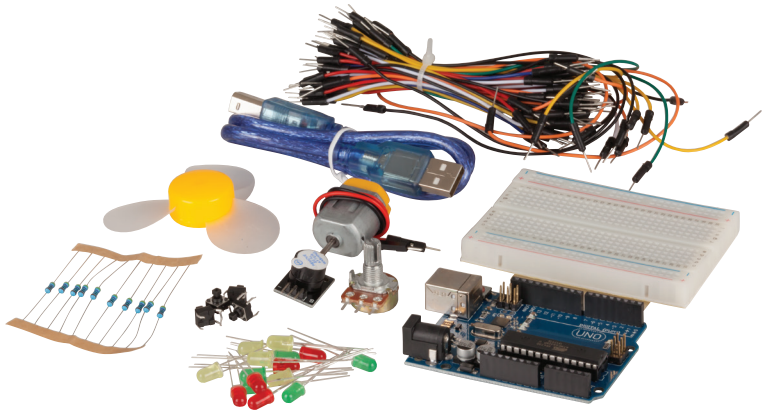


duinotech



Arduino Starter Kit
XC3902
User Manual

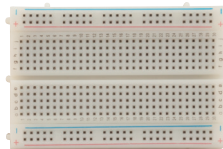
Included Parts:



Duinotech Uno



USB Cable



Breadboard



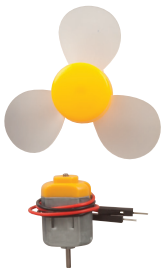
Jumper Leads



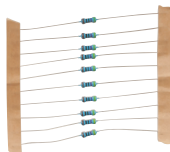
LEDs



Potentiometer



Motor & Fan



Resistors



Tactile Switches



Buzzer

Contents:

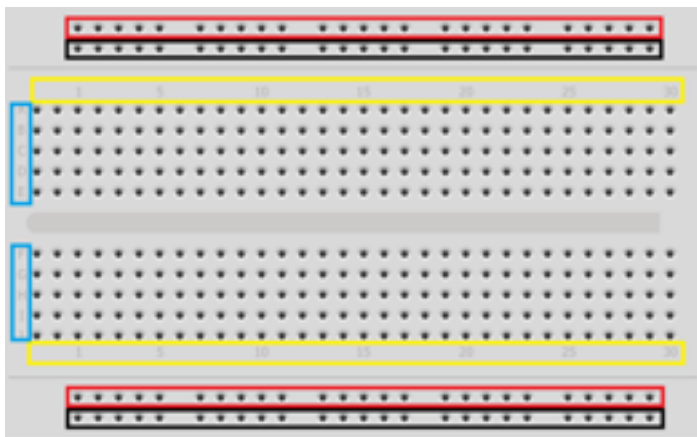
Included Parts	2
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As some blocks of code are quite large, the full code for each project can be found on our GitHub at;

<https://github.com/Jaycar-Electronics/Arduino-Starter-Kit/>

Included Breadboard

The included breadboard has been labelled to assist with accurately inserting the jumper wires.



 Positive

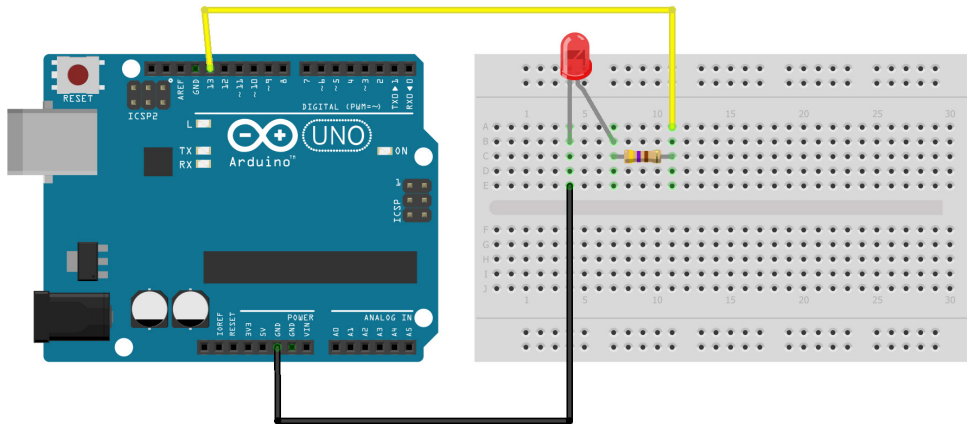
 Negative

 Column

 Row

Using an LED

Parts Required:
LED, resistor, 2 jumper wires.

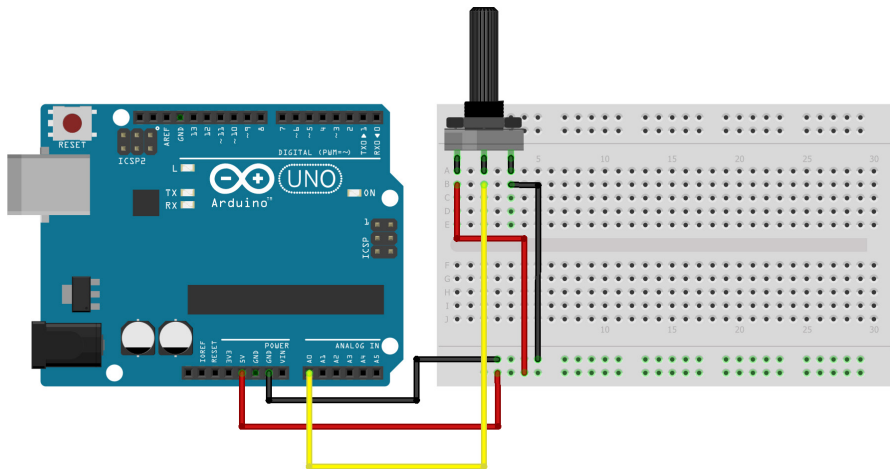


This basic project will introduce the beginner Arduino user to simple code & circuits by turning on & off an LED.

Using a Potentiometer

Parts Required:

Potentiometer, 6 jumper wires.

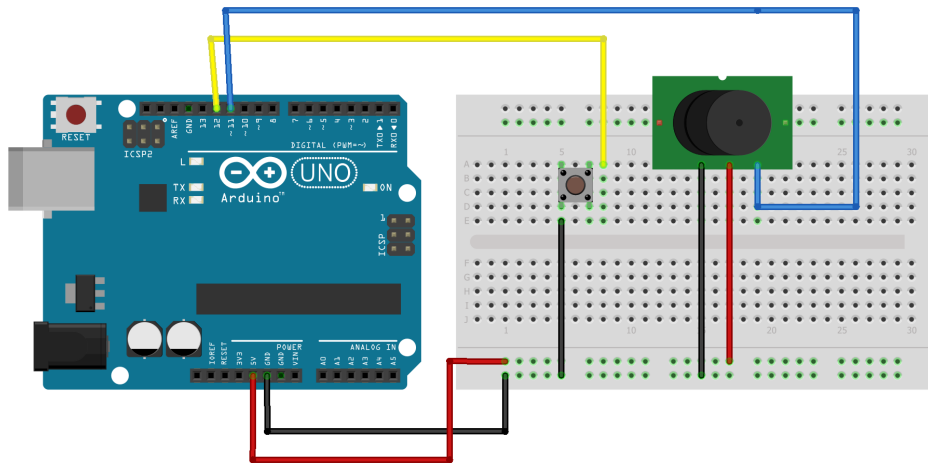


Use a potentiometer to adjust the brightness of the in-built LED on the Arduino Uno.

Using Buttons

Parts Required:

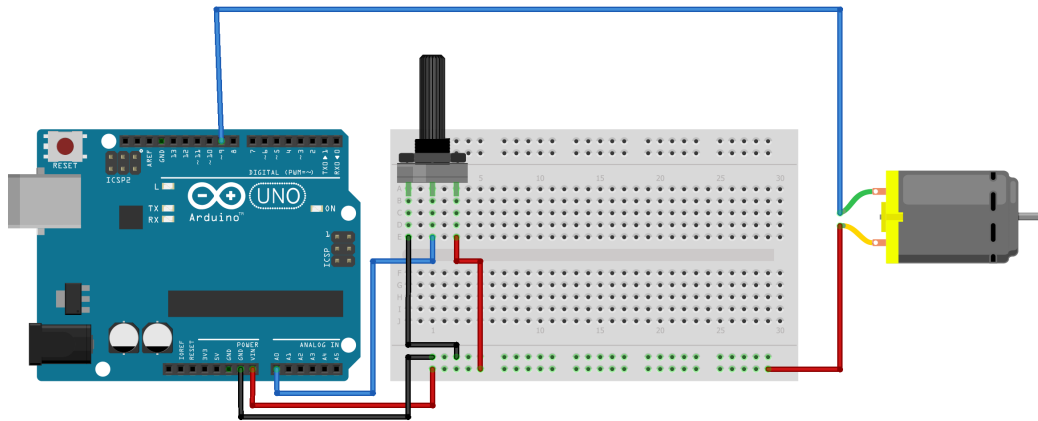
Switch, buzzer, 7 jumper wires.



Use feedback from an analogue sensor to activate a buzzer via the Arduino board.

Fan Speed Controller

Parts Required:
Potentiometer, motor, 5 jumper wires

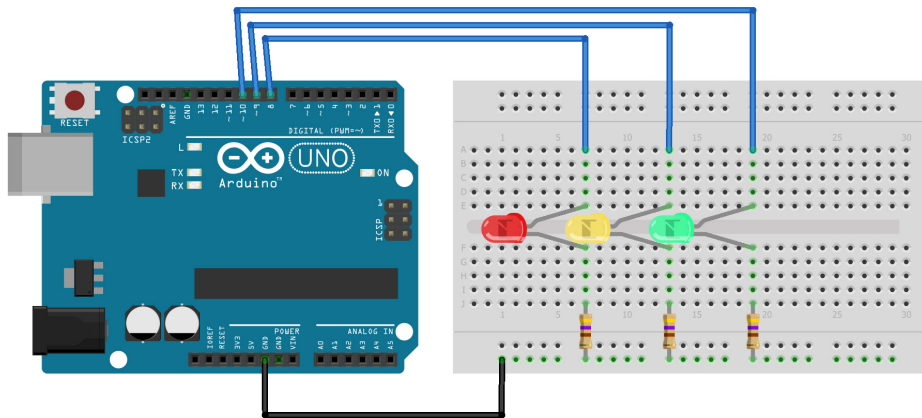


Use variable feedback from a potentiometer to adjust the speed of the motor.

Traffic Lights

Parts Required:

3 LEDs (green, red, yellow), 3 resistors, 4 jumper wires.



Simulate traffic lights using multiple LEDs & a loop circuit in Arduino.

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